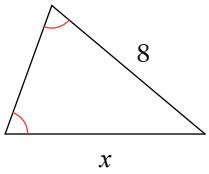
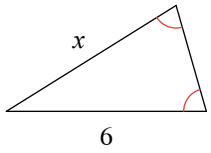
WLPCS Geometry Name_____ ID: 1

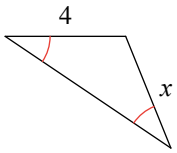
3.4 Isosceles and Equilateral Triangle Practice

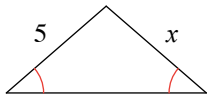
Date_____ Period____

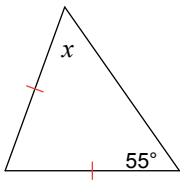
Find the value of *x*.

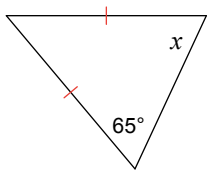
1) 

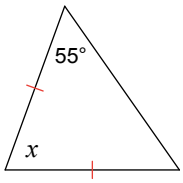
2) 

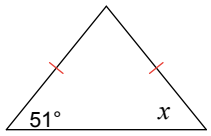
3) 

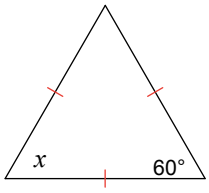
4) 

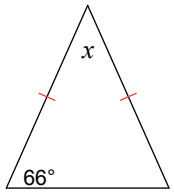
5) 

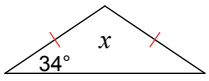
6) 

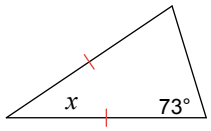
7) 

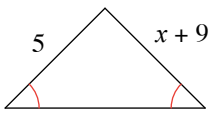
8) 

9) 

10) 

11) 

12) 

13) 

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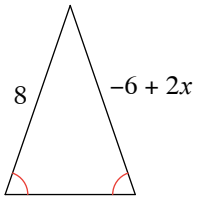

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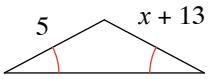

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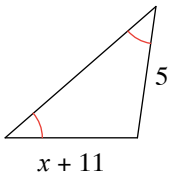
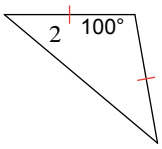
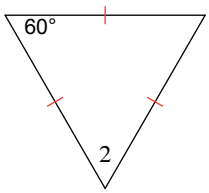


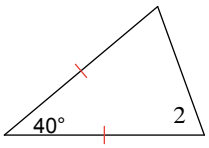
17) $m\angle 2 = 5x$



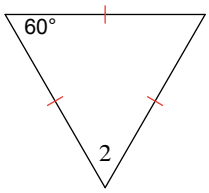
18) $m\angle 2 = 8x + 4$



19) $m\angle 2 = x + 76$



20) $m\angle 2 = x + 66$



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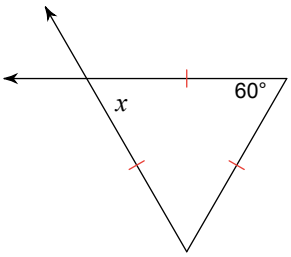

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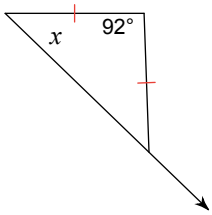

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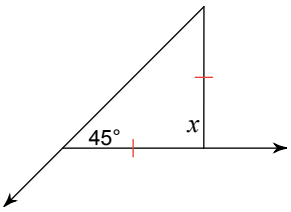

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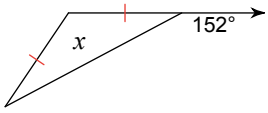

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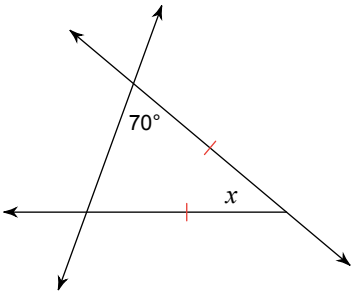

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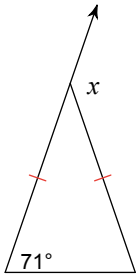

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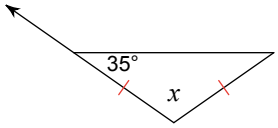

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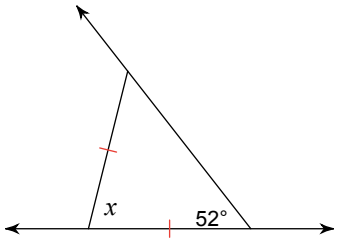

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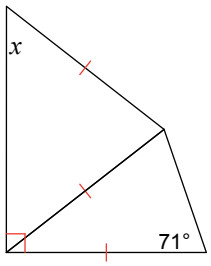

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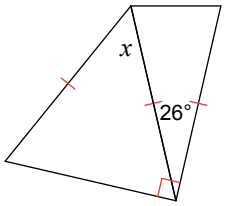

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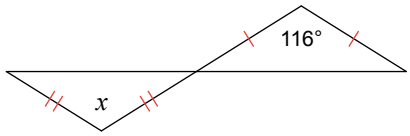

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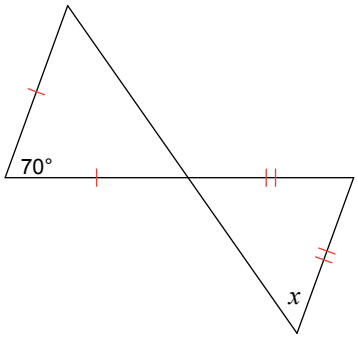
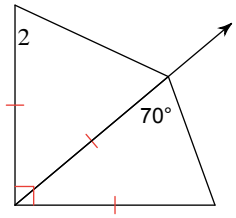
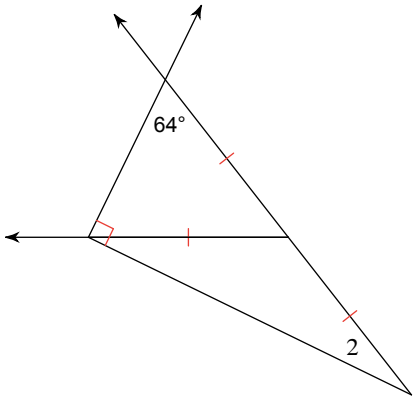


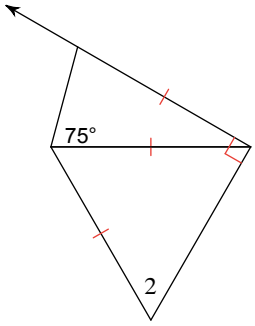
33) $m\angle 2 = x + 73$



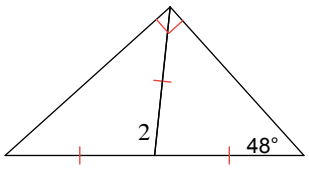
34) $m\angle 2 = 3x + 2$



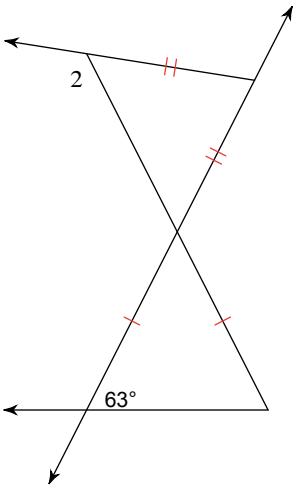
35) $m\angle 2 = x + 67$



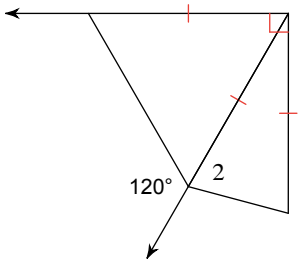
36) $m\angle 2 = 19x + 1$



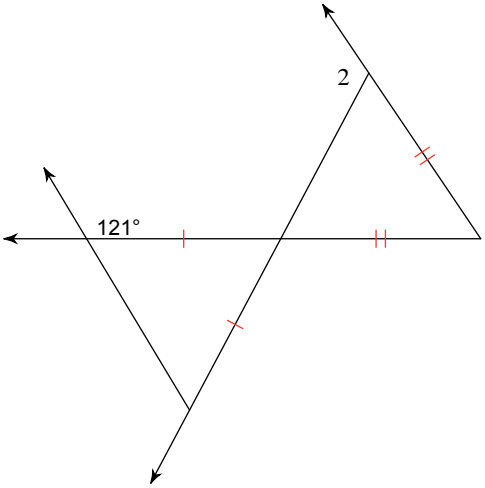
37) $m\angle 2 = 25x + 1$



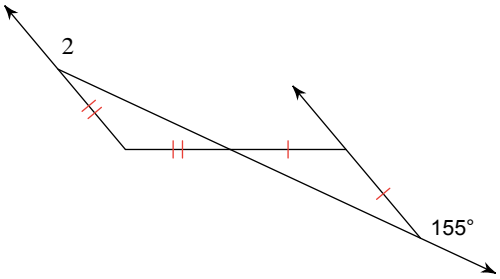
38) $m\angle 2 = x + 81$



39) $m\angle 2 = 22x + 8$



40) $m\angle 2 = x + 163$



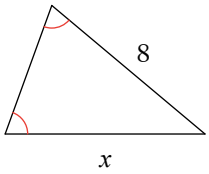
Geometry Name_____ ID: 1

Assignment

Date_____ Period____

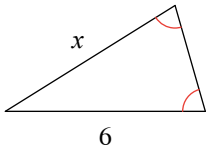
Find the value of *x*.

1)



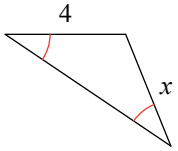
8

2)



6

3)



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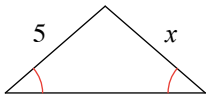

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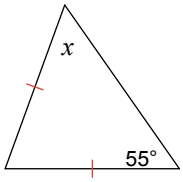
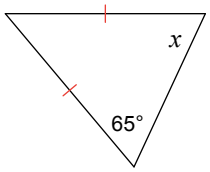
5)



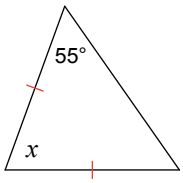
55°

6)



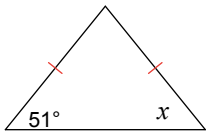
65°

7)



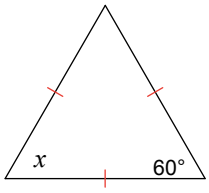
70°

8)



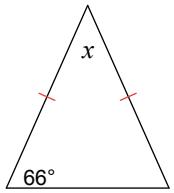
51°

9)



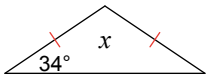
60°

10)



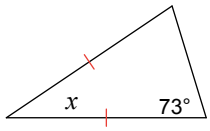
48°

11)



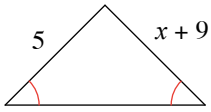
112°

12)



34°

13)



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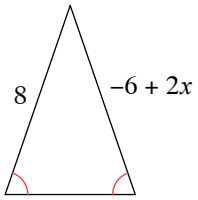
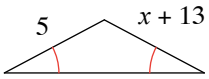
14)



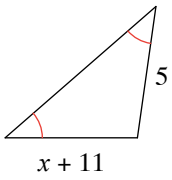
7

15)



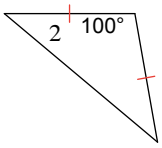
−8

16)



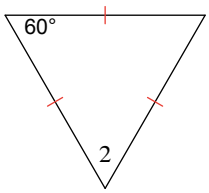
−6

17) $m\angle 2 = 5x$



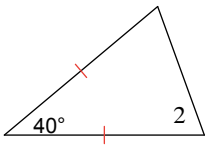
8

18) $m\angle 2 = 8x + 4$



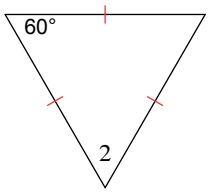
7

19) $m\angle 2 = x + 76$



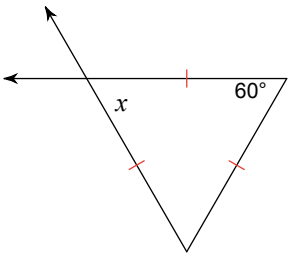
−6

20) $m\angle 2 = x + 66$



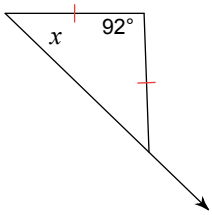
−6

21)



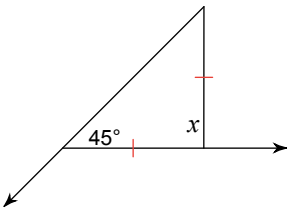
60°

22)



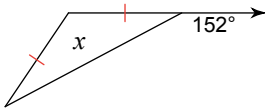
44°

23)



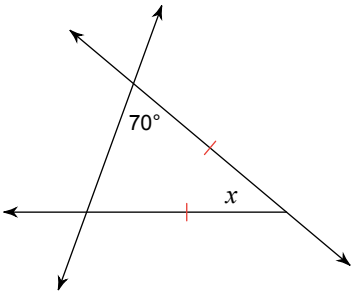
90°

24)



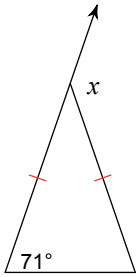
124°

25)



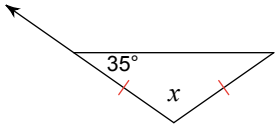
40°

26)



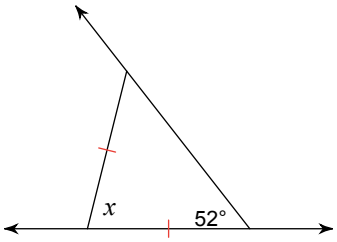
142°

27)



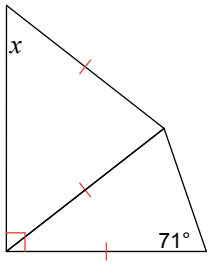
110°

28)



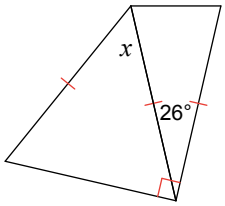
76°

29)



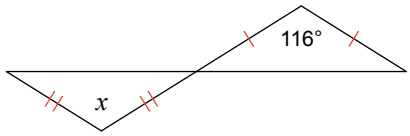
52°

30)



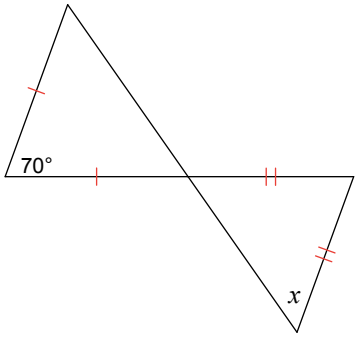
52°

31)



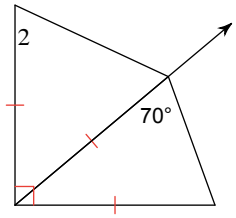
116°

32)



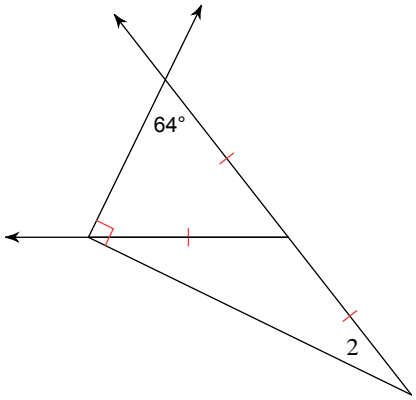
55°

33) $m\angle 2 = x + 73$



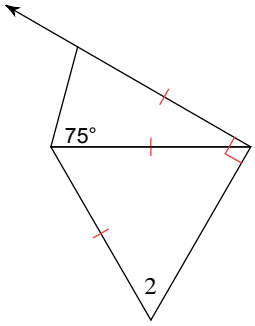
−8

34) $m\angle 2 = 3x + 2$



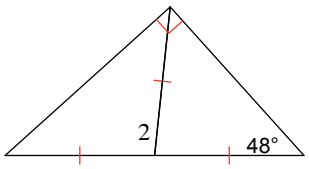
8

35) $m\angle 2 = x + 67$



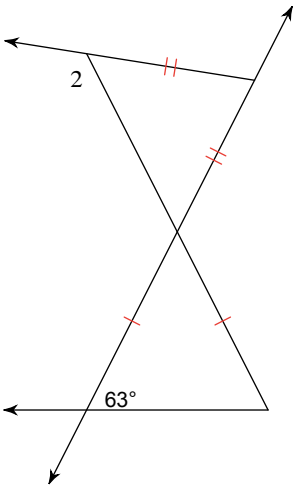
−7

36) $m\angle 2 = 19x + 1$



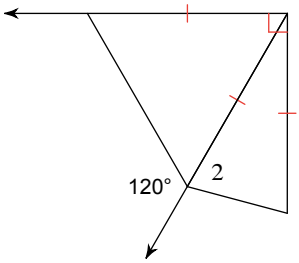
5

37) $m\angle 2 = 25x + 1$



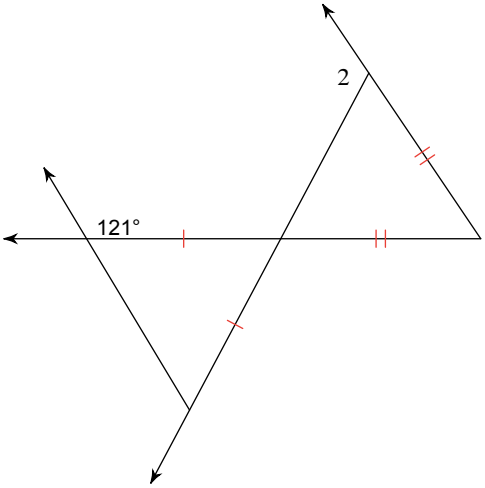
5

38) $m\angle 2 = x + 81$



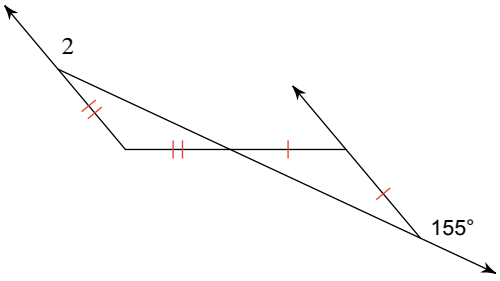
–6

39) $m\angle 2 = 22x + 8$



5

40) $m\angle 2 = x + 163$



–8